

Work Order ID 58941

Thursday, May 20, 2010 10:30:15 AM

Page 1

Item ID: D350-607-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Heli-Utility-Basket

Start Date: 5/25/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 6/8/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: 10 Date: 10-5-20

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start



Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr

Revision Nbr

D350-607-1

A

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD350-607-043 CHG005

S 10/6/05

110

0.00



Pick Kit

Packaging

Memo

0.00

Packaging

P 10/6/05

120

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

Assemble as per Dwg D350-607
Seal Support Gusset with Sikaflex -291
Batch: M113519
Exp Date: 9/12/23

E 10/07/05

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 58941

Thursday, May 20, 2010 10:30:15 AM



Page 3

Item ID: D350-607-043

Accept



Setup

Start



Revision ID:

Item Name: Heli-Utility-Basket

Stop



Start Date: 5/25/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 6/8/2010 Req'd Qty: 1.00



Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run

Start



Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
160		0.00							
	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D350-607-043								
	Location: <u>MVG</u>								
170									
	QC21- Final Inspection - Work Order Release	0.00							
QC	Memo	0.00							
Quality Control									

6/7/6

1007-07

MF 10-7-6

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Thursday, May 20, 2010 10:30:20 AM

Page 1 / 6

Work Order ID: 58941

Parent Item: D350-607-043

Parent Item Name: Heli-Utility-Basket

Comments: IPP Rev:E as Per DSI9318 06-01-24 JLM
IPP Rev:F ECN1068 07-12-21 DD verified by:ec IPP rev:G as
per ecn10-545 DD 10.04.19 verified by:EC

Start Date: 5/25/2010

Required Date: 6/8/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
D2728-3		Manufactured	No			110	Each	0.0000	2			
Dart Logo label												
D350-607-241		Manufactured	No			140	Each	0.0000	1			
Basket Clamp Assembly												
D2022-101		Manufactured	No			110	Each	237.0000	5			
Spacer												

Location	Loc Qty	Loc Code
ST504	237	
45885	37	
50746	100	
52325	100	
D2221		
350 Basket Base		
D2258-200		
Placard 200lb		
Manufactured	No	
110	Each	0.0000
1		
110	Each	6.0000
1		

Location	Loc Qty	Loc Code
ST505	6	
56229	6	
D2332-041		
Lid Prop Assembly 6.69" long		
Manufactured	No	
110	Each	14.0000
1		
Location	Loc Qty	Loc Code
ST512	14	
57344	4	
57645	10	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Thursday, May 20, 2010 10:30:20 AM

Page 2 16

Work Order ID: 58941

Parent Item: D350-607-043

Parent Item Name: Heli-Utility-Basket

Comments: IPP Rev:E as Per DS19318 06-01-24 JLM
 IPP Rev:F ECN1068 07-12-21 DD verified by:ec IPP rev:G as
 per ecn10-545 DD 10.04.19 verified by:EC

Start Date: 5/25/2010

Required Date: 6/8/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
D2530		Manufactured	No			110	Each	9.0000	1			



Handle Weldment

Location

Loc Qty

Loc Code

ST506

9

57736

1

57964

2

58428

6

D2535

Manufactured No

110

Each

142.0000

2



Spring

Location

Loc Qty

Loc Code

ST504

142

56355

42

58331

100

D2537

Manufactured No

110

Each

57.0000

2



Bushing

Location

Loc Qty

Loc Code

ST504

57

57722

17

58429

40

D2931

Manufactured No

110

Each

862.0000

2



Bumper

Location

Loc Qty

Loc Code

ST504

862

46064

862

59159

56355

58429

46064

Handwritten signature

Handwritten signature

Handwritten signature

Handwritten signature and date 5/26/2010

Thursday, May 20, 2010 10:30:20 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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Page 3

Work Order ID: 58941

Parent Item: D350-607-043

Parent Item Name: Heli-Utility-Basket






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IPP Rev:F ECN1068 07-12-21 DD verified by:ec IPP rev:G as
per ecn10-545 DD 10.04.19 verified by:EC

Start Date: 5/25/2010

Start Qty: 1.00

Required Date: 6/8/2010

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
D2989-041		Manufactured	No			110	Each	0.0000	1			
						B58949					5/10/07/05	
Basket Lid Assembly												
D2989-043		Manufactured	No			110	Each	0.0000	1			
						B58954					5/10/07/05	
Basket Lid Assembly												
AN3-16A		Purchased	No			110	Each	65.0000				
												
Bolt												
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
						ST352	65					
						113845	45					
						114523	20					
AN4-13A		Purchased	No			110	Each	119.0000	2			
											114941	
Bolt												
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
						ST351	119					
						114523	119					
AN4-22A		Purchased	No			110	Each	228.0000	7			
												
Bolt												
						<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>				
						ST359	228					
						111965	128					
						114523	100					

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Page 3

W/O:		WORK ORDER CHANGES					
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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

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Work Order ID: 58941

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per ecn10-545 DD 10.04.19 verified by:EC

Start Date: 5/25/2010

Required Date: 6/8/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
AN5-17A		Purchased	No			110	Each	151.0000	4			
Bolt												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>		
				ST323				46				
				114324				46				
				ST339				105				
				113538				5				
				114330				100				
MS20600-AD4W3		Purchased	No			110	Each	1,789.000	2			
Cherry Rivets												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>		
				ST321				1789				
				106375				3				
				107939				822				
				111636				964				
AN960JD416		Purchased	No			110	Each	0.0000	14			
Washer												
AN960JD416L		Purchased	No			110	Each	413.0000	2			
Washer												
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>		
				ST346				413				
				110153				413				
AN960IDS16		Purchased	No			110	Each	0.0000	4			
Washer												

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Page 4

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID: 58941

Parent Item: D350-607-043

Parent Item Name: Heli-Utility-Basket

Comments: IPP Rev:E as Per DSI9318 06-01-24 JLM
 IPP Rev:F ECN1068 07-12-21 DD verified by:ec IPP rev:G as
 per ecn10-545 DD 10.04.19 verified by:EC

Start Date: 5/25/2010

Required Date: 6/8/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
AN960JD8	NAS11490NS320	Purchased	No			110	Each	0.0000	2			
Washer												
NAS1515H4		Purchased	No			110	Each	151.0000	2			
Washer												
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AN970-4		Purchased	No			110	Each	121.0000	4			
Washer												
<div> <div>Location</div> <div>ST349</div> <div>112991</div> </div> <div> <div>Loc Qty</div> <div>121</div> <div>121</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> </div>												
MS21042L3		Purchased	No			110	Each	1,862.000	2			
Nut												
<div> <div>Location</div> <div>ST300</div> <div>113537</div> <div>113644</div> <div>114523</div> <div>114718</div> </div> <div> <div>Loc Qty</div> <div>1862</div> <div>20</div> <div>342</div> <div>1000</div> <div>500</div> </div> <div> <div>Loc Code</div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>												

Thursday, May 20, 2010 10:30:20 AM

Shop Packet Print

Page 5

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Thursday, May 20, 2010 10:30:20 AM

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Work Order ID: 58941

Parent Item: D350-607-043

Parent Item Name: Heli-Utility-Basket


Comments: IPP Rev:E as Per DSI9318 06-01-24 JLM
 IPP Rev:F ECN1068 07-12-21 DD verified by:ec IPP rev:G as
 per ecn10-545 DD 10.04.19 verified by:EC

Start Date: 5/25/2010


Required Date: 6/8/2010

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/	Replacement	Mfg/	Bin	Primary	Last	Route	Unit of	Qty on	Qty per Kit	Qty	Date	Status
MS21042L4		Purchased	No			110	Each	2,705.000	9			
												
Nut												

Location	Loc Qty	Loc Code
ST139	2	
111827	2	
ST300	2703	
113422	80	
114523	1615	
114718	1000	
9063	8	

MS21042L5	Purchased	No				110	Each	532.0000	4			
												
Nut												

Location	Loc Qty	Loc Code
ST300	532	
113523	26	
113537	3	
114108	3	
114437	100	
114449	400	

Thursday, May 20, 2010 10:30:20 AM

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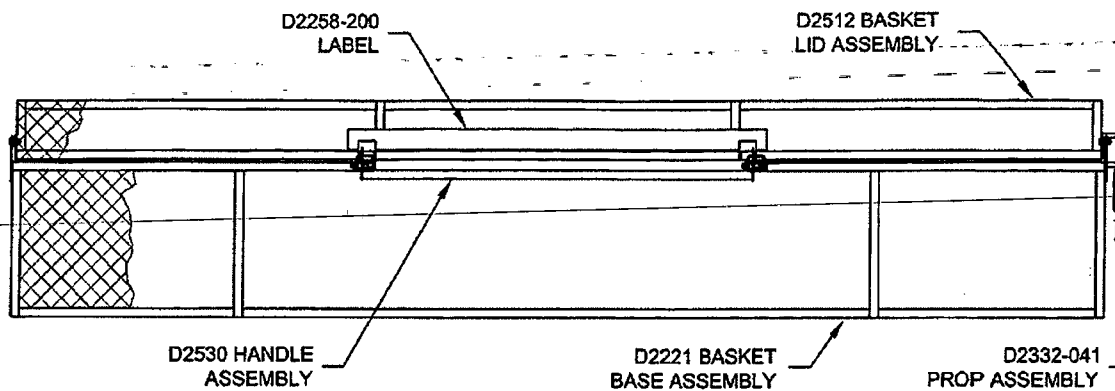
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

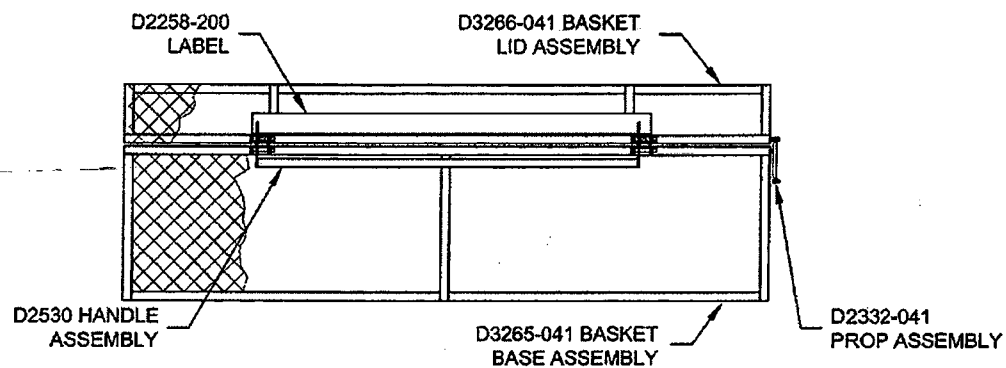
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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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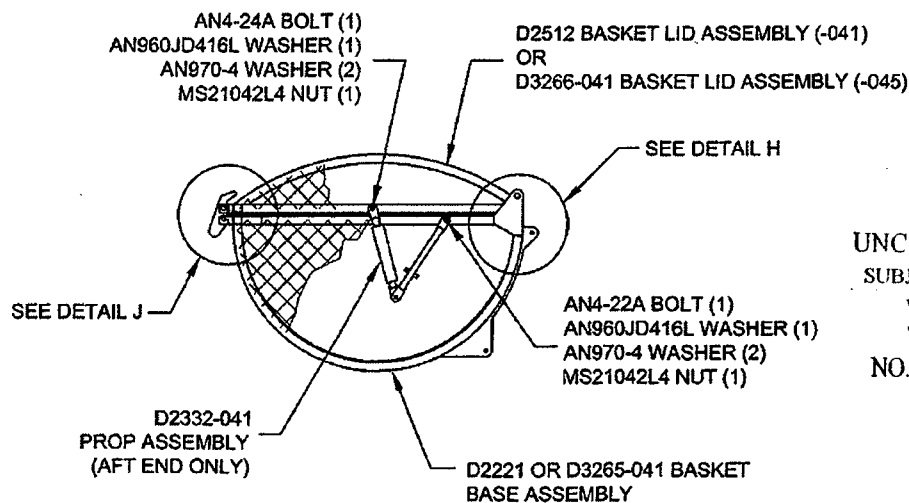
NOTE: Date & initial all entries



D350-607-041 HELI-UTILITY- BASKET™



D350-607-045 HELI-UTILITY- BASKET™



VIEW C-C
PROP ARM DETAIL

Figure 5 – Basket Replacement Parts

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMEND
WITHOUT NOT
WORK OR!
NO. 58941

810-520

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Revision: **A**
Date: 10.03.10

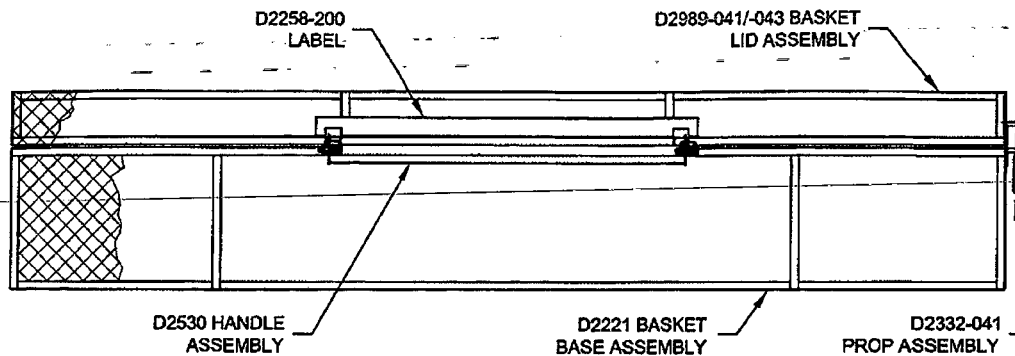
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

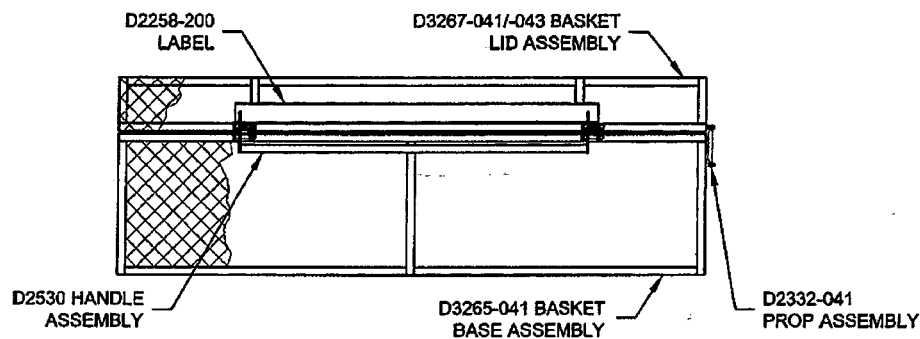
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

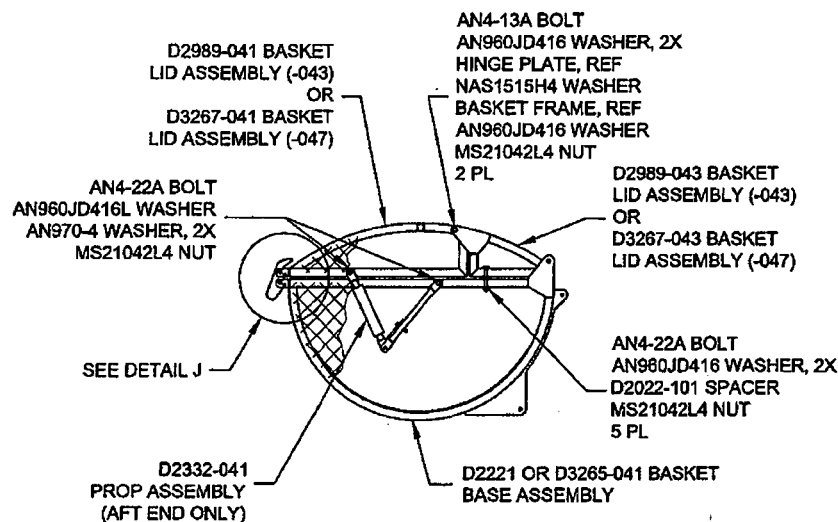
NOTE: Date & initial all entries



D350-607-043 HELI-UTILITY- BASKET™



D350-607-047 HELI-UTILITY- BASKET™



VIEW C-C
PROP ARM DETAIL

Figure 6- Basket Replacement Parts

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Revision: **A**

Date: 10.03.10

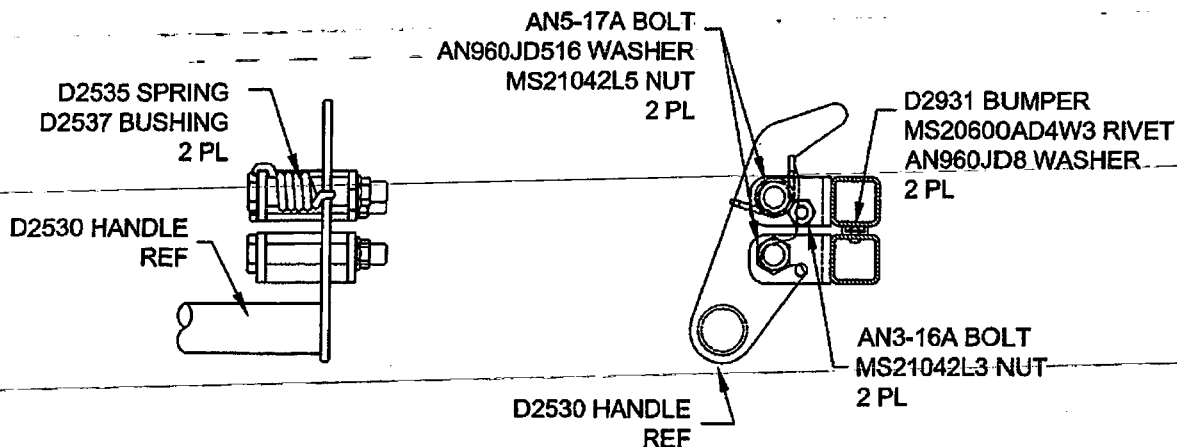
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

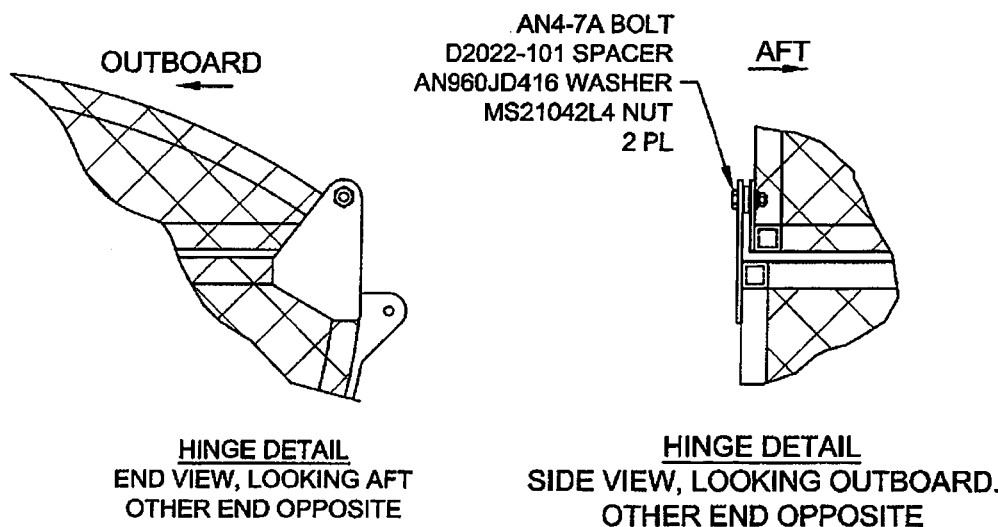
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries



**DETAIL J:
HANDLE WELDMENT**



**DETAIL H:
HINGE**

Figure 7 – Basket Replacement Parts

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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Work Order ID 58941

Thursday, May 20, 2010 10:30:15 AM



Page 1

Item ID: D350-607-043

Accept



Setup Start



Revision ID:

Stop



Item Name: Heli-Utility-Basket

Start Date: 5/25/2010 Start Qty: 1.00



Cust Item ID:

Required Date: 6/8/2010 Req'd Qty: 1.00



Customer:

Reference:

Run Start



Approvals:

Process Plan:

10

Date: 10-5-20

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Draw Number	Draw Rev.	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	----------------	--------------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D350-607-1

A

100

0.00



DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile & type labels per PPPD350-607-043 CHG005

10-6-29

110

0.00



Pick Kit

Packaging

Memo

0.00

Packaging

120

0.00



Small Fab

Small Fab

Memo

0.00

Small Fab

Assemble as per Dwg D350-607
Seal Support Gusset with Sikaflex -291
Batch: _____
Exp Date: _____

REFERENCE ONLY